

Abstract of the Disclosure

COMBINED SHUT-OFF VALVE AND COVER FOR AN ENGINE
BREATHING SYSTEM

In prior art engine breather systems, shut off valves that prevent oil from entering the engine induction system have been mounted externally on the engine and require associated external pipework. Both the shut off valve and pipework are prone to damage and leaking. The closed circuit breather apparatus of the present invention includes a cylinder head cover and a shut off valve provided beneath the cylinder head cover. The shut off valve includes an aperture in communication with a blow-by gas inlet passage and a valve float restrained to move between a first position in which the aperture is open and a second position in which the aperture is closed. Preferably the shut off valve is integral with the cylinder head cover. The shut off valve is thus packaged inside the engine valve chamber, making it easy to fit and eliminating leak paths.